

GenCore version 5.1.4 p5\_4578  
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## OM protein - nucleic search, using frame\_plus\_p2n model

Run on: March 15, 2003, 23:25:27 ; Search time 23.3444 Seconds  
(without alignments)  
2525.515 Million cell updates/sec

Title: US-08-978-217-7

Perfect score: 445  
Sequence: 1 NCALEBLRVGLGDLHA.....ELLDGQASPYHSCGAG 84

## Scoring table:

BLOSUM62  
Xgapop 10.0, Xgapext 0.5  
Fgapop 6.0, Fgapext 7.0  
Delop 6.0, Delext 7.0

Searched: 501302 seqs, 350932545 residues

Total number of hits satisfying chosen parameters: 1002604

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

## Command line parameters:

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-DB=Published Applications\_NA -OPMT=fastcap -SUFFIX=trpb -MINMATCH=0.1  
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-TRANS=numa40.cdi -LIST=45 -DOCALLIGN=200 -THR SCORE=pct -THR MAX=100  
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-DEV.TIMEOUT=120 -WARN.TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -Fgapop=6  
-Fgapext=7 -Ygapop=10 -Ygapext=0.5 -DELOP=6 -DELEXT=7

## Database :

Published Applications\_NA: \*  
1: /cgn2\_6/ptodata/2/pubna/US07\_PUBCOMB.seq: \*  
2: /cgn2\_6/ptodata/2/pubna/PCT\_NEW\_PUB.seq: \*  
3: /cgn2\_6/ptodata/2/pubna/US06\_PUB.seq: \*  
4: /cgn2\_6/ptodata/2/pubna/US06\_PUBCOMB.seq: \*  
5: /cgn2\_6/ptodata/2/pubna/US07\_NEW\_PUB.seq: \*  
6: /cgn2\_6/ptodata/2/pubna/PCTUS\_PUBCOMB.seq: \*  
7: /cgn2\_6/ptodata/2/pubna/US08\_NEW\_PUB.seq: \*  
8: /cgn2\_6/ptodata/2/pubna/US08\_PUBCOMB.seq: \*  
9: /cgn2\_6/ptodata/2/pubna/US09\_NEW\_PUB.seq: \*  
10: /cgn2\_6/ptodata/2/pubna/US09\_PUBCOMB.seq: \*  
11: /cgn2\_6/ptodata/2/pubna/US10\_NEW\_PUB.seq: \*  
12: /cgn2\_6/ptodata/2/pubna/US10\_PUBCOMB.seq: \*  
13: /cgn2\_6/ptodata/2/pubna/US60\_NEW\_PUB.seq: \*  
14: /cgn2\_6/ptodata/2/pubna/US60\_PUBCOMB.seq: \*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result	Query	Match Length	ID	Description
No.	Score			
1	445 100.0	563 9	US-10-025-380-944	Sequence 944, App
2	445 100.0	563 10	US-09-922-217-944	Sequence 944, App
3	445 100.0	563 10	US-09-833-263-944	Sequence 944, App
4	445 100.0	626 9	US-10-025-380-853	Sequence 853, App

C 5	445 100.0	626 10	US-09-922-217-853	Sequence 853, App
C 6	445 100.0	915 10	US-09-833-263-853	Sequence 853, App
7	445 100.0	1626 10	US-09-964-824-101	Sequence 101, App
8	445 100.0	1915 10	US-09-964-824-563	Sequence 563, App
9	445 100.0	1915 10	US-09-880-107-3420	Sequence 3420, App
10	445 100.0	1915 10	US-09-967-768-192	Sequence 192, App
11	445 100.0	1917 9	US-10-025-380-1105	Sequence 1105, App
12	445 100.0	1917 10	US-09-922-217-1105	Sequence 1105, App
13	445 100.0	1996 10	US-09-925-501-207	Sequence 207, App
14	439 98.7	355 10	US-09-867-701-4818	Sequence 4818, App
15	305 68.5	1474 10	US-09-998-598-1740	Sequence 1740, App
C 16	111 24.9	437 10	US-09-998-598-2216	Sequence 2216, App
C 17	72 16.2	353 10	US-09-864-761-3195	Sequence 3195, App
C 18	72 16.2	398 9	US-09-854-133-697	Sequence 697, App
C 19	72 16.2	521 10	US-09-884-441-139	Sequence 139, App
C 20	72 16.2	551 10	US-09-884-441-92	Sequence 92, App
C 21	72 16.2	555 10	US-09-884-441-107	Sequence 107, App
C 22	72 16.2	2110 10	US-09-925-302-234	Sequence 234, App
C 23	67.5 15.2	432 9	US-10-032-159A-5	Sequence 5, App1
C 24	67.5 15.2	942 10	US-09-815-242-7916	Sequence 7916, App
25	67.5 15.2	1101 9	US-10-032-159A-1	Sequence 1, App1
26	67.5 15.2	2176 9	US-10-032-159A-19	Sequence 19, App1
C 27	67 15.1	6257 10	US-09-764-869-1782	Sequence 1782, App
C 28	66.5 14.9	1247 10	US-09-880-107-3874	Sequence 3874, App
C 29	66.5 14.9	1320 9	US-10-098-841-33	Sequence 33, App1
C 30	66 14.8	1423 9	US-10-116-252-3	Sequence 3, App1
C 31	66 14.8	1594 10	US-09-826-508-39	Sequence 39, App1
C 32	65.5 14.7	111282 12	US-10-094-989-3	Sequence 3, App1
C 33	65 14.6	661 9	US-10-101-464A-202	Sequence 202, App
C 34	64.5 14.5	1326 12	US-10-007-693-152	Sequence 152, App
C 35	64.5 14.5	2184 10	US-09-764-887-464	Sequence 464, App
C 36	64 14.4	480 10	US-09-864-761-15667	Sequence 15667, App
C 37	64 14.4	643 10	US-09-920-100A-163	Sequence 163, App
C 38	64 14.4	643 12	US-10-033-528-163	Sequence 163, App
C 39	64 14.4	998 9	US-10-098-861-270	Sequence 270, App
C 40	64 14.4	1961 10	US-09-864-761-14990	Sequence 14990, App
C 41	64 14.4	1986 10	US-09-864-761-4795	Sequence 4795, App
C 42	64 14.4	2334 10	US-09-864-761-30648	Sequence 30648, App
C 43	64 14.4	2351 10	US-09-864-761-21534	Sequence 21534, App
C 44	64 14.4	3591 9	US-09-738-626-2993	Sequence 2993, App
C 45	64 14.4	3309400 9	US-09-738-626-1	Sequence 1, App1

## ALIGNMENTS

RESULT 1  
US-10-025-380-944/c  
; Sequence 944, Application US/10025380  
; Publication No. US20020182191A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Secrist, Heather  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Meagher, Madeleine Joy  
; APPLICANT: Stolk, John A.  
; APPLICANT: Wang, Tongtong  
; APPLICANT: Jiang, Yugu  
; APPLICANT: Smith, Carole L.  
; APPLICANT: King, Gordon E.  
; APPLICANT: Wang, Aljun  
; APPLICANT: Clapper, Jonathan D.  
; APPLICANT: Skeiky, Yasir A. W.  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Carter, Darick  
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
; FILE REFERENCE: 210121.471C14  
; CURRENT APPLICATION NUMBER: US/10/025.380  
; NUMBER OF SEQ ID NOS: 1129  
; SOFTWARE: FastSeq for Windows Version 4.0



Db 232 TGTGGCGCAGGA 221

RESULT 4  
US-10-025-380-853/C  
; Sequence 853, Application US/10025380  
; Publication No. US20020182191A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Secret, Heather  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Meagher, Madeleine Joy  
; APPLICANT: Stolk, John A.  
; APPLICANT: Wang, Tonglong  
; APPLICANT: Jiang, Yugu  
; APPLICANT: Smith, Carole L.  
; APPLICANT: King, Gordon E.  
; APPLICANT: Wang, Aijun  
; APPLICANT: Clapper, Jonathan D.  
; APPLICANT: Skeiky, Yasir A. W.  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Carter, Darick  
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE  
; FILE REFERENCE: 210121.471C14  
; CURRENT APPLICATION NUMBER: US/10/025,380  
; CURRENT FILING DATE: 2001-12-19  
; NUMBER OF SEQ ID NOS: 1129  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 853  
; LENGTH: 626  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-025-380-853

Alignment Scores:  
Pred. No.: 1,44e-52 Length: 626  
Score: 445.00 Matches: 84  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
Gaps: 0

US-08-978-217-7 (1-84) x US-10-025-380-853 (1-626)

Qy 1 AsnCysAlaLeuGlnGluLeuArgLeuValPheGlyProLeuGlyAspGlnLeuHisAla 20  
Db 471 AATGTGCTTGAAGAGAGCTGCTGCTTGGGCTTGGGAGCACTCCATGCTG 412

Qy 21 GlnLeuArgAspLeuThrSerSerSerSerAspGlnLeuSerTrpIleIleGlnLeu 40  
Db 411 CAGCTGCAGACCTCACTCCAGCTCTTGTGATGAGCTGATTGATCACTTGAAGCTGCTG 352

Qy 41 GlnLysAspGlyMetAlaPheGlnGlnLalaLeuAspProGlyProPheAspGlnLys 60  
Db 351 GAGAGAGATGCGATGCTTCCAGAGAGGCTTCAAGCCAGGAGCTTTCACAGGAGGAGC 292

Qy 61 PropheAlaGlnGlnLeuLeuAspAspGlyGlnGlnAlaSerProTyHisProGlySer 80  
Db 291 CCTTTGCCCGAGAGCTGCTGACGACGCTCAGCAAGCCAGCCCTTACCAACCCGCGAGC 232

Qy 81 CysGlyAlaGly 84  
Db 231 TGTGGCGCAGGA 220

RESULT 5  
US-09-922-217-853/C  
; Sequence 853, Application US/09922217  
; Patent No. US20020076414A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Lodes, Michael J.

APPLICANT: Secret, Heather  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Meagher, Madeleine Joy  
; APPLICANT: Stolk, John A.  
; APPLICANT: Wang, Tonglong  
; APPLICANT: Jiang, Yugu  
; APPLICANT: Smith, Carole Lynn  
; APPLICANT: King, Gordon E.  
; APPLICANT: Wang, Aijun  
; APPLICANT: Clapper, Jonathan D.  
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE  
; FILE REFERENCE: 210121.471C13  
; CURRENT APPLICATION NUMBER: US/09/922,217  
; CURRENT FILING DATE: 2001-08-03  
; NUMBER OF SEQ ID NOS: 1124  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 853  
; LENGTH: 626  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-922-217-853

Alignment Scores:  
Pred. No.: 1,44e-52 Length: 626  
Score: 445.00 Matches: 84  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
Gaps: 0

US-08-978-217-7 (1-84) x US-09-922-217-853 (1-626)

Qy 1 AsnCysAlaLeuGlnGluLeuArgLeuValPheGlyProLeuGlyAspGlnLeuHisAla 20  
Db 471 AATGTGCTTGAAGAGAGCTGCTGCTTGGGCTTGGGAGCACTCCATGCTG 412

Qy 21 GlnLeuArgAspLeuThrSerSerSerSerAspGlnLeuSerTrpIleIleGlnLeu 40  
Db 411 CAGCTGCAGACCTCACTCCAGCTCTTGTGATGAGCTGATTGATCACTTGAAGCTGCTG 352

Qy 41 GlnLysAspGlyMetAlaPheGlnGlnLalaLeuAspProGlyProPheAspGlnLys 60  
Db 351 GAGAGAGATGCGATGCTTCCAGAGAGGCTTCAAGCCAGGAGCTTTCACAGGAGGAGC 292

Qy 61 PropheAlaGlnGlnLeuLeuAspAspGlyGlnGlnAlaSerProTyHisProGlySer 80  
Db 291 CCTTTGCCCGAGAGCTGCTGACGACGCTCAGCAAGCCAGCCCTTACCAACCCGCGAGC 232

Qy 81 CysGlyAlaGly 84  
Db 231 TGTGGCGCAGGA 220

RESULT 6  
US-09-833-263-853/C  
; Sequence 853, Application US/09833263  
; Patent No. US20020110547A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Aijun  
; APPLICANT: Clapper, Jonathan D.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Meagher, Madeleine J.  
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE  
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE  
; FILE REFERENCE: 210121.471C12  
; CURRENT APPLICATION NUMBER: US/09/833,263  
; CURRENT FILING DATE: 2001-04-10  
; NUMBER OF SEQ ID NOS: 1093  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 853  
; LENGTH: 626  
; TYPE: DNA  
; ORGANISM: Homo sapien

US-09-833-263-853

Alignment Scores:  
 Pred. No.: 1,44e-52 Length: 626  
 Score: 445.00 Matches: 84  
 Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 100.00% Indels: 0  
 DB: 10 Gaps: 0

US-08-978-217-7 (1-84) x US-09-833-263-853 (1-626)

QY 1 AasnCyAAlaLeuGluGluLeuAArgLeuValPheGlyProLeuGlyAspGlnLeuHisAla 20  
 DB 471 AATTGTCCTTGAAGAGCTGCTGCTGCTTGGGCTCTGGGGAGCCAACTCCATGCC 412  
 QY 21 GlnLeuAArgAspLeuThrSerSerSerSerAspGluLeuSerTrpIleIleGluLeuLeu 40  
 DB 411 CAGCTCGAGACCTCACTTCACCTCTTCTGATGAGCTCACTTGATTCATGAGCTGCTG 352  
 QY 41 GlnLysAspGlyWetAlaPheGlnGlnAlaLeuAspProGlyProPheAspGlnGlySer 60  
 DB 351 GAGAGAGATGGCTGCTGCTTCCAGAGGCTTGAACCCAGGGCCCTTTGACCAAGGCGACG 292  
 QY 61 ProPheAlaGlnGlnLeuLeuAspAspGlyGlnGlnAlaSerProTyriAspProGlySer 80  
 DB 291 CCTTTGCCAGAGCTGCTGAGACGAGTCAAGCAAGCCAGCCCTTAACCCCGGACAGC 232  
 QY 81 CysGlyAlaGly 84  
 DB 231 TGTGGCGCAGGA 220

RESULT 7

US-09-964-824A-101

; Sequence 101, Application US/09964824A  
 ; Patent No. US20020102531A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Horrigan, Stephen  
 ; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu  
 ; TITLE OF INVENTION: Sets  
 ; FILE REFERENCE: 689290-73  
 ; CURRENT APPLICATION NUMBER: US/09/964,824A  
 ; CURRENT FILING DATE: 2001-09-27  
 ; PRIOR APPLICATION NUMBER: US/60/236,033  
 ; PRIOR FILING DATE: 2000-09-28  
 ; PRIOR APPLICATION NUMBER: US/60/236,032  
 ; PRIOR FILING DATE: 2000-09-28  
 ; PRIOR APPLICATION NUMBER: US/60/236,028  
 ; PRIOR FILING DATE: 2000-09-28  
 ; NUMBER OF SEQ ID NOS: 583  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 101  
 ; LENGTH: 1915  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-964-824A-101

Alignment Scores:  
 Pred. No.: 6,41e-52 Length: 1915  
 Score: 445.00 Matches: 84  
 Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 100.00% Indels: 0  
 DB: 10 Gaps: 0

US-08-978-217-7 (1-84) x US-09-964-824A-101 (1-1915)

QY 1 AasnCyAAlaLeuGluGluLeuAArgLeuValPheGlyProLeuGlyAspGlnLeuHisAla 20  
 DB 429 AATTGTCCTTGAAGAGCTGCTGCTGCTTGGGCTCTGGGGAGCCAACTCCATGCC 488  
 QY 21 GlnLeuAArgAspLeuThrSerSerSerSerAspGluLeuSerTrpIleIleGluLeuLeu 40  
 DB 411 CAGCTCGAGACCTCACTTCACCTCTTCTGATGAGCTCACTTGATTCATGAGCTGCTG 352

DB 489 CAGCTCGAGACCTCACTTCCTTCTGATGAGCTCACTTGATTCATGAGCTGCTG 548

QY 41 GlnLysAspGlyWetAlaPheGlnGlnAlaLeuAspProGlyProPheAspGlnGlySer 60  
 DB 549 GAGAGAGATGGCTGCTGCTTCCAGAGGCTTGAACCCAGGGCCCTTTGACCAAGGCGACG 608  
 QY 61 ProPheAlaGlnGlnLeuLeuAspAspGlyGlnGlnAlaSerProTyriAspProGlySer 80  
 DB 609 CCTTTGCCAGAGCTGCTGAGACGAGTCAAGCAAGCCAGCCCTTAACCCCGGACAGC 668

QY 81 CysGlyAlaGly 84

DB 669 TGTGGCGCAGGA 680

RESULT 8

US-09-964-824A-563

; Sequence 563, Application US/09964824A  
 ; Patent No. US20020102531A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Horrigan, Stephen  
 ; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu  
 ; TITLE OF INVENTION: Sets  
 ; FILE REFERENCE: 689290-73  
 ; CURRENT APPLICATION NUMBER: US/09/964,824A  
 ; CURRENT FILING DATE: 2001-09-27  
 ; PRIOR APPLICATION NUMBER: US/60/236,033  
 ; PRIOR FILING DATE: 2000-09-28  
 ; PRIOR APPLICATION NUMBER: US/60/236,032  
 ; PRIOR FILING DATE: 2000-09-28  
 ; PRIOR APPLICATION NUMBER: US/60/236,028  
 ; PRIOR FILING DATE: 2000-09-28  
 ; NUMBER OF SEQ ID NOS: 583  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 563  
 ; LENGTH: 1915  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-964-824A-563

Alignment Scores:

Pred. No.: 6,41e-52 Length: 1915  
 Score: 445.00 Matches: 84  
 Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 100.00% Indels: 0  
 DB: 10 Gaps: 0

US-08-978-217-7 (1-84) x US-09-964-824A-563 (1-1915)

QY 1 AasnCyAAlaLeuGluGluLeuAArgLeuValPheGlyProLeuGlyAspGlnLeuHisAla 20  
 DB 429 AATTGTCCTTGAAGAGCTGCTGCTGCTTGGGCTCTGGGGAGCCAACTCCATGCC 488  
 QY 21 GlnLeuAArgAspLeuThrSerSerSerSerAspGluLeuSerTrpIleIleGluLeuLeu 40  
 DB 489 CAGCTCGAGACCTCACTTCACCTCTTCTGATGAGCTCACTTGATTCATGAGCTGCTG 548  
 QY 41 GlnLysAspGlyWetAlaPheGlnGlnAlaLeuAspProGlyProPheAspGlnGlySer 60  
 DB 549 GAGAGAGATGGCTGCTGCTTCCAGAGGCTTGAACCCAGGGCCCTTTGACCAAGGCGACG 608  
 QY 61 ProPheAlaGlnGlnLeuLeuAspAspGlyGlnGlnAlaSerProTyriAspProGlySer 80  
 DB 609 CCTTTGCCAGAGCTGCTGAGACGAGTCAAGCAAGCCAGCCCTTAACCCCGGACAGC 668  
 QY 81 CysGlyAlaGly 84  
 DB 669 TGTGGCGCAGGA 680

RESULT 9

US-09-880-107-3420

; Sequence 3420, Application US/09880107  
 ; Patent No. US20020142981A1

GENERAL INFORMATION:  
APPLICANT: Horne, Darci T.  
APPLICANT: Vockley, Joseph G.  
APPLICANT: Scherf, Uwe  
APPLICANT: Gene Logic, Inc.  
TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer  
FILE REFERENCE: 44921-5028-WO  
CURRENT APPLICATION NUMBER: US/09/880,107  
CURRENT FILING DATE: 2001-06-14  
PRIOR APPLICATION NUMBER: US 60/211,379  
PRIOR FILING DATE: 2000-06-14  
PRIOR APPLICATION NUMBER: US 60/237,054  
PRIOR FILING DATE: 2000-10-02  
NUMBER OF SEQ ID NOS: 3950  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 3420  
LENGTH: 1915  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: Genbank Accession No. US20020142981A1 U73843  
US-09-880-107-3420

Alignment Scores:  
Pred. No.: 6,41e-52 Length: 1915  
Score: 445.00 Matches: 84  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 10 Gaps: 0

US-08-978-217-7 (1-84) x US-09-880-107-3420 (1-1915)

Qy 1 AencysalaleuGluGluLeuArgLeuValPheGlyProLeuGlyAspGlnLeuHisAla 20  
Db 429 AATTGTGCTTGAGAGAGCTGCGTCTTGTGGCTTGGGAGGAGCACTCCATGCTCC 488  
Qy 21 GlnLeuArgAspLeuThrSerSerSerSerSerAspGlnLeuSerTrpIleIleGlnLeuLeu 40  
Db 489 CAGCTGCCGAGACTCCTCCTCCAGCTCTTGTGATGAGCTCAGTTGATCATTTAGCTGCTG 548  
Qy 41 GluLysAspGlyMetAlaPheGlnGlnAlaLeuAspProGlyProPheAspGlnGlySer 60  
Db 549 GAGAGAGATGGCATGCGCTTCCAGAGGCGCTTACAGCCCGCTTTCACCAAGGCGCAGC 608  
Qy 61 ProPheAlaGlnGluLeuLeuAspAspGlyGlnGlnAlaSerProTyrHisProGlySer 80  
Db 609 CCCTTGGCCAGAGCTGCTGAGACGAGTCCAGCAAGCCCGCTTACCAAGGCGCAGC 668

Qy 81 CysGlyAlaGly 84  
Db 669 TGTGGCGCAGGA 680

RESULT 10  
US-09-967-768A-192  
Sequence 192, Application US/09967768A  
Patent No. US20020150877A1  
GENERAL INFORMATION:  
APPLICANT: Augustus, Meena  
TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu  
FILE REFERENCE: 689290-72  
CURRENT APPLICATION NUMBER: US/09/967,768A  
CURRENT FILING DATE: 2001-09-28  
PRIOR APPLICATION NUMBER: US/60/236,109  
PRIOR FILING DATE: 2000-09-28  
PRIOR APPLICATION NUMBER: US/60/236,034  
PRIOR FILING DATE: 2000-09-28  
PRIOR APPLICATION NUMBER: US/60/236,111  
PRIOR FILING DATE: 2000-09-28  
NUMBER OF SEQ ID NOS: 325  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 192

LENGTH: 1915  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-967-768A-192

Alignment Scores:  
Pred. No.: 6,41e-52 Length: 1915  
Score: 445.00 Matches: 84  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 10 Gaps: 0

US-08-978-217-7 (1-84) x US-09-967-768A-192 (1-1915)

Qy 1 AencysalaleuGluGluLeuArgLeuValPheGlyProLeuGlyAspGlnLeuHisAla 20  
Db 429 AATTGTGCTTGAGAGAGCTGCGTCTTGTGGCTTGGGAGGAGCACTCCATGCTCC 488  
Qy 21 GlnLeuArgAspLeuThrSerSerSerSerSerAspGlnLeuSerTrpIleIleGlnLeuLeu 40  
Db 489 CAGCTGCCGAGACTCCTCCTCCAGCTCTTGTGATGAGCTCAGTTGATCATTTAGCTGCTG 548  
Qy 41 GluLysAspGlyMetAlaPheGlnGlnAlaLeuAspProGlyProPheAspGlnGlySer 60  
Db 549 GAGAGAGATGGCATGCGCTTCCAGAGGCGCTTACAGCCCGCTTTCACCAAGGCGCAGC 608  
Qy 61 ProPheAlaGlnGluLeuLeuAspAspGlyGlnGlnAlaSerProTyrHisProGlySer 80  
Db 609 CCCTTGGCCAGAGCTGCTGAGACGAGTCCAGCAAGCCCGCTTACCAAGGCGCAGC 668

Qy 81 CysGlyAlaGly 84  
Db 669 TGTGGCGCAGGA 680

RESULT 11  
US-10-025-380-1105  
Sequence 1105, Application US/10025380  
Publication No. US20020182191A1

GENERAL INFORMATION:  
APPLICANT: Xu, Jianguan  
APPLICANT: Lodes, Michael J.  
APPLICANT: Secrist, Heather  
APPLICANT: Benson, Darin R.  
APPLICANT: Meagher, Madeleine Joy  
APPLICANT: Stolk, John A.  
APPLICANT: Wang, Tongcong  
APPLICANT: Jiang, Yugu  
APPLICANT: Smith, Carole L.  
APPLICANT: King, Gordon E.  
APPLICANT: Wang, Aijun  
APPLICANT: Clapper, Jonathan D.  
APPLICANT: Skeiky, Yasir A. W.  
APPLICANT: Fanger, Gary R.  
APPLICANT: Vedvick, Thomas S.  
APPLICANT: Carter, Darick  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
FILE REFERENCE: 210121.471C14  
CURRENT APPLICATION NUMBER: US/10/025,380  
CURRENT FILING DATE: 2001-12-19  
NUMBER OF SEQ ID NOS: 1129  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 1105  
LENGTH: 1917  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-025-380-1105

Alignment Scores:  
Pred. No.: 6,42e-52 Length: 1917  
Score: 445.00 Matches: 84  
Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 9 Gaps: 0

US-08-978-217-7 (1-84) x US-10-025-380-1105 (1-1917)

QY 1 AencyAAlaLeuGluGluLeuAArgLeuValPheGlyProLeuGlyAAspGlnLeuHisAla 20  
DB 431 AATTGGCCCTTGAGAGAGCTGGCTGTGCTCTTGGCCCTCTGGGGAGCAACTCCATGCC 490  
QY 21 GlnLeuAArgAspLeuThrSerSerSerSerAAspGlnLeuSerTrpIleIleGluLeu 40  
DB 491 CAGCTCGGAGACTCACTTCCAGCTCTTCTGATGAGCTCAGTTGATCATTTGAGCTGCTG 550  
QY 41 GlnLeuAAspGlyMetAlaPheGlnGluAlaLeuAAspProGlyProPheAspGlnGlySer 60  
DB 551 GAGAGAGATGGCATGGCTCTTCAGAGAGCCCTTGACCCAGGCGCTTTGACCGGGGAGC 610  
QY 61 ProPheAlaGlnGluLeuLeuAAspAAspGlyGlnGlnAlaSerProTyrrHisProGlySer 80  
DB 611 CCCTTGGCCAGAGAGCTGCTGAGCGAGCGGTCAAGCAAGCCGCTTACCAACCCCGGAGC 670  
QY 81 CySGlyAlaGly 84  
DB 671 TGTGGCGCAGGA 682

## RESULT 12

US-09-922-217-1105  
Sequence 1105, Application US/09922217  
Patent No. US20020076141A1

GENERAL INFORMATION:  
APPLICANT: Xu, Jiangchun  
APPLICANT: Lodes, Michael J.  
APPLICANT: Secrist, Heather  
APPLICANT: Benson, Darin R.  
APPLICANT: Meagher, Madeleine Joy  
APPLICANT: Stolk, John A.  
APPLICANT: Wang, Tonglong  
APPLICANT: Jiang, Yudi  
APPLICANT: Smith, Carole Lynn  
APPLICANT: King, Gordon E.  
APPLICANT: Wang, Aijun  
APPLICANT: Clapper, Jonathan D.  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE  
FILE REFERENCE: 210121, 471C13  
CURRENT FILING DATE: 2001-08-03  
NUMBER OF SEQ ID NOS: 1124  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 1105  
LENGTH: 1917  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-922-217-1105

## Alignment Scores:

Pred. No.: 6,42e-52 Length: 1917  
Score: 445.00 Matches: 84  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 10 Gaps: 0

US-08-978-217-7 (1-84) x US-09-922-217-1105 (1-1917)

QY 1 AencyAAlaLeuGluGluLeuAArgLeuValPheGlyProLeuGlyAAspGlnLeuHisAla 20  
DB 431 AATTGGCCCTTGAGAGAGCTGGCTGTGCTCTTGGCCCTCTGGGGAGCAACTCCATGCC 490  
QY 21 GlnLeuAArgAspLeuThrSerSerSerSerAAspGlnLeuSerTrpIleIleGluLeu 40  
DB 491 CAGCTCGGAGACTCACTTCCAGCTCTTCTGATGAGCTCAGTTGATCATTTGAGCTGCTG 550

QY 41 GlnLeuAAspGlyMetAlaPheGlnGluAlaLeuAAspProGlyProPheAspGlnGlySer 60  
DB 551 GAGAGAGATGGCATGGCTCTTCAGAGAGCCCTTGACCCAGGCGCTTTGACCGGGGAGC 610

QY 61 ProPheAlaGlnGluLeuLeuAAspAAspGlyGlnGlnAlaSerProTyrrHisProGlySer 80  
DB 611 CCCTTGGCCAGAGAGCTGCTGAGCGAGCGGTCAAGCAAGCCGCTTACCAACCCCGGAGC 670

QY 81 CySGlyAlaGly 84  
DB 671 TGTGGCGCAGGA 682

## RESULT 13

US-09-925-301-207  
Sequence 207, Application US/09925301  
Patent No. US20020052308A1

GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
FILE REFERENCE: PA106  
CURRENT APPLICATION NUMBER: US/09/925,301  
CURRENT FILING DATE: 2001-08-10  
PRIOR APPLICATION NUMBER: PCT/US00/05882  
PRIOR FILING DATE: 2000-03-08  
PRIOR APPLICATION NUMBER: 60/124,270  
PRIOR FILING DATE: 1999-03-12  
NUMBER OF SEQ ID NOS: 1694  
SOFTWARE: Patent In Ver. 2.0  
SEQ ID NO 207  
LENGTH: 1996  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-925-301-207

## Alignment Scores:

Pred. No.: 6,77e-52 Length: 1996  
Score: 445.00 Matches: 84  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 10 Gaps: 0

US-08-978-217-7 (1-84) x US-09-925-301-207 (1-1996)

QY 1 AencyAAlaLeuGluGluLeuAArgLeuValPheGlyProLeuGlyAAspGlnLeuHisAla 20  
DB 450 AATTGGCCCTTGAGAGAGCTGGCTGTGCTCTTGGCCCTCTGGGGAGCAACTCCATGCC 509

QY 21 GlnLeuAArgAspLeuThrSerSerSerSerAAspGlnLeuSerTrpIleIleGluLeu 40  
DB 510 CAGCTCGGAGACTCACTTCCAGCTCTTCTGATGAGCTCAGTTGATCATTTGAGCTGCTG 569

QY 41 GlnLeuAAspGlyMetAlaPheGlnGluAlaLeuAAspProGlyProPheAspGlnGlySer 60  
DB 570 GAGAGAGATGGCATGGCTCTTCAGAGAGCCCTTGACCCAGGCGCTTTTACCAAGGGGAGC 629

QY 61 ProPheAlaGlnGluLeuLeuAAspAAspGlyGlnGlnAlaSerProTyrrHisProGlySer 80  
DB 630 CCCTTGGCCAGAGAGCTGCTGAGCGAGGTCAAGCAAGCCGCTTACCAACCCCGGAGC 689

QY 81 CySGlyAlaGly 84  
DB 690 TGTGGCGCAGGA 701

## RESULT 14

US-09-867-701-4818  
Sequence 4818, Application US/09867701  
Patent No. US2002013237A1

GENERAL INFORMATION:  
APPLICANT: Aglate, Paul A.  
APPLICANT: Jones, Robert  
APPLICANT: Harlocker, Susan L.

```
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 4818
; LENGTH: 355
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-867-701-4818

Alignment Scores:
Pred. No.: 4,57e-52 Length: 355
Score: 439.00 Matches: 83
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 98.65% Indels: 0
DB: 10 Gaps: 0

US-08-978-217-7 (1-84) x US-09-867-701-4818 (1-355)

QY 1 AsnCysAlaLeuGluGluLeuArgLeuValPheGlyProLeuGlyAspGlnLeuHisAla 20
Db 107 AATTGTCCTTGAGAGAGCTGCTGCTGCTTGGGCTCTGGGGAGCAACTCCATGCC 166

QY 21 GlnLeuArgAspLeuThrSerSerSerSerAspGluLeuSerTrpIleIleGluLeu 40
Db 167 CAGCGCAGAGCTTACTTCCAGCTCTTCTGATGAGCTCAGTTGATCATTTGAGCTGCTG 226

QY 41 GluLysAspGlyMetAlaPheGlnGlnAlaLeuAspProGlyProPheAspGlnGlySer 60
Db 227 GAGAAAGATGGCATGCTTCCTCCAGAGGCGCCCTAGACCCAGGCGCTTTCAGACGGCAGC 286

QY 61 ProPheAlaGlnGluLeuLeuAspAspGlyGlnGlnAlaSerProTyrHisProGlySer 80
Db 287 CCCTTGGCCAGAGCTGCTGAGCAGCGTCCAGCAAGCCAGCCCTTACCACCCCGGAGC 346

QY 81 CysGlyAla 83
Db 347 TGTGGCGCA 355

RESULT 15
US-09-998-598-1740/C
; Sequence 1740, Application US/09998598
; Patent No. US20020150922A1
; GENERAL INFORMATION:
; APPLICANT: Stoik, John A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Chenault, Ruth A.
; APPLICANT: Mesgher, Madelein Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.561
; CURRENT APPLICATION NUMBER: US/09/998,598
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 2606
; SOFTWARE: Corixa Invention Disclosure Database
; SEQ ID NO 1740
; LENGTH: 174
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-998-598-1740

Alignment Scores:
Pred. No.: 5.65e-34 Length: 174
Score: 305.00 Matches: 58
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 68.54% Indels: 0
DB: 10 Gaps: 0
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US-08-978-217-7 (1-84) x US-09-998-598-1740 (1-174)

QY 22 LeuArgAspLeuThrSerSerSerSerAspGluLeuSerTrpIleIleGluLeuGlu 41
Db 174 CTGGAGAGCTTCACTTCCAGCTCTTCTGATGAGCTCAGTTGATCATTTGAGCTGCTGAG 115

QY 42 LysAspGlyMetAlaPheGlnGlnAlaLeuAspProGlyProPheAspGlnGlySerPro 61
Db 114 AAGATGGCATGCTTCCAGAGGCGCCCTAGACCCAGGCGCTTTCAGACGGGAGAGCCCC 55

QY 62 PheAlaGlnGluLeuLeuAspAspGlyGlnGlnAlaSerProTyrHisProGly 79
Db 54 TTGCGCAGAGCTGCTGAGCAGCGTCCAGCAAGCCAGCCCTTACCACCCCGGC 1
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